



*petroleum fuel & lubrication equipment specialists*

# *Donaldson Product Catalogue*

Distributing on behalf of



**Donaldson**<sup>®</sup>  
*Filtration Solutions*

## WHY DONALDSON FILTERS

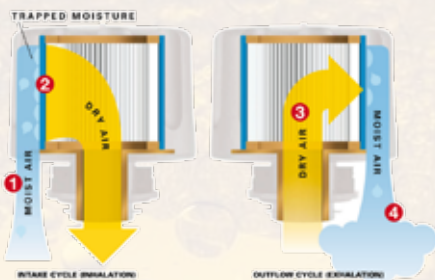
### WHY INSTALL FILTRATION ON BULK OIL AND DIESEL SYSTEMS?

Proper filtration:

- Reduces downtime and resultant loss of production
- Reduces component repair and replacement
- Reduces fluid replacement and disposal costs
- Reduces total cost of ownership
- Reduced fuel consumption
- Reduced service costs.

Filtration on bulk oil and diesel fuel systems prevents the ingress of solid particulate (dirt) into equipment when filling or topping up oil or fuel tanks. According to one major equipment manufacture more than 90% of fuel injection problems are due to dirt or water in the fuel. New emission regulations for diesel engines, requiring significantly increased fuel injector pressures, and the ever increasing sophistication of plant and machinery, are requiring vastly improved fluid cleanliness compared to the past.

### HOW T.R.A.P WORKS



1. The circuit “breathes in” air containing moisture vapour
2. The T.R.A.P. Breather strips moisture from the incoming air, allowing only dry air to enter the circuit
3. During the “exhalation” cycle, The T.R.A.P. Breather allows unrestricted airflow outward
4. The outflow of dry air picks up the moisture collected by the T.R.A.P. Breather during intake, and “blows it back out” – fully regenerating the T.R.A.P. Breather’s water-holding capacity.

### FILTER SELECTION

#### STEP 1

Ensure system is sealed and not exposed to elements. Define target cleanliness levels and filtration objectives.

#### STEP 2

Choose & size appropriate filtration.

- 4 micron: Incorporates Donaldson’s new DERT media (Donaldson Electrostatic Reduction Technology). Provides high efficiency useful for diesel fuel and servo valves, targets ISO cleanliness levels of 14/13/11 or better
- 7 micron: provides high dirt holding capacity (useful for general hydraulic and transmission applications, targets ISO cleanliness levels of 16/14/11 or better)
- 25 micron: provides high dirt holding capacity at a low pressure drop, for use with high viscosity oils (engine lube and gear oils, targets ISO cleanliness levels of ISO 18/16/13 or better)

#### STEP 3

Install breather system.

Since many contaminants are airborne, any oil or fuel exposed to the atmosphere will become contaminated unless the air is filtered or the container is completely sealed.

Use a good quality filter, like the T.R.A.P. (Thermally Reactive Advanced Protection) breather. The T.R.A.P. breather removes moisture at relative humidity levels as low as 15%.



## MANIFOLDS

### DUAL HEAD SMALL

- Dual 'in-parallel' filter head designed only to suit blue csn spin-on's
- Flow rate 400 LPM, no bypass setting, bolted flange connection per ISO 6162 for 1 1/2" nominal flange

**CODE: P568583**



### SINGLE HEAD BLUE CAN RANGE

- Single filter head designed only to suit blue can spin-on's
- Flow rate 220 LPM, no bypass setting, 1 5/8" - 12 UN-2B ports

**CODE: P570329**



### MANIFOLD: 2 WAY [ANSI 150 FLANGE 2" BORE]

FLOW RATE (LITRES PER MINUTE): 800 LPM  
(FOR DIESEL)

**CODE: P561880**



### MANIFOLD: 4 WAY [ANSI 150 FLANGE 4" BORE]

FLOW RATE (LITRES PER MINUTE): 1600 LPM  
(FOR DIESEL)

**CODE: P568932**



### MANIFOLD: 5 WAY [ANSI 150 FLANGE 4" BORE]

FLOW RATE (LITRES PER MINUTE): 2000 LPM  
(FOR DIESEL)

**CODE: P568933**



## BULK FLUID FILTERS AND BREATHERS

### FILTER APPLICATIONS

As world leaders in heavy-duty filtration, Donaldson offer a diverse range of filtration products to suit virtually every application. Their engineers are able to custom design filtration systems for your specific requirements and provide you with continued support.



P570329	Single Head BFLF
P568583	Dual Head BFLF
P561880	2 way Manifold
P568932	4 way Manifold
P568933	5 way Manifold
P568666	Element 4µm
P568665	Element 7µm
P568664	Element 25µm



### BULK TRAP BREATHER ASSEMBLY



- Includes breather element, mounting assembly, restriction indicator and over-fill check valve
- Filter Efficiency @ 97% 3 micron
- Air flow up to 500LPM, 1 unit per 40,000L of storage, replace every 6 months or when restriction indicator suggests, 1 1/2" BSP thread fitting

**CODE: DFF0078**

### BULK TRAP REPLACEMENT ELEMENT

**CODE: P923075**